

# Magnet simulations

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# what's going on right now

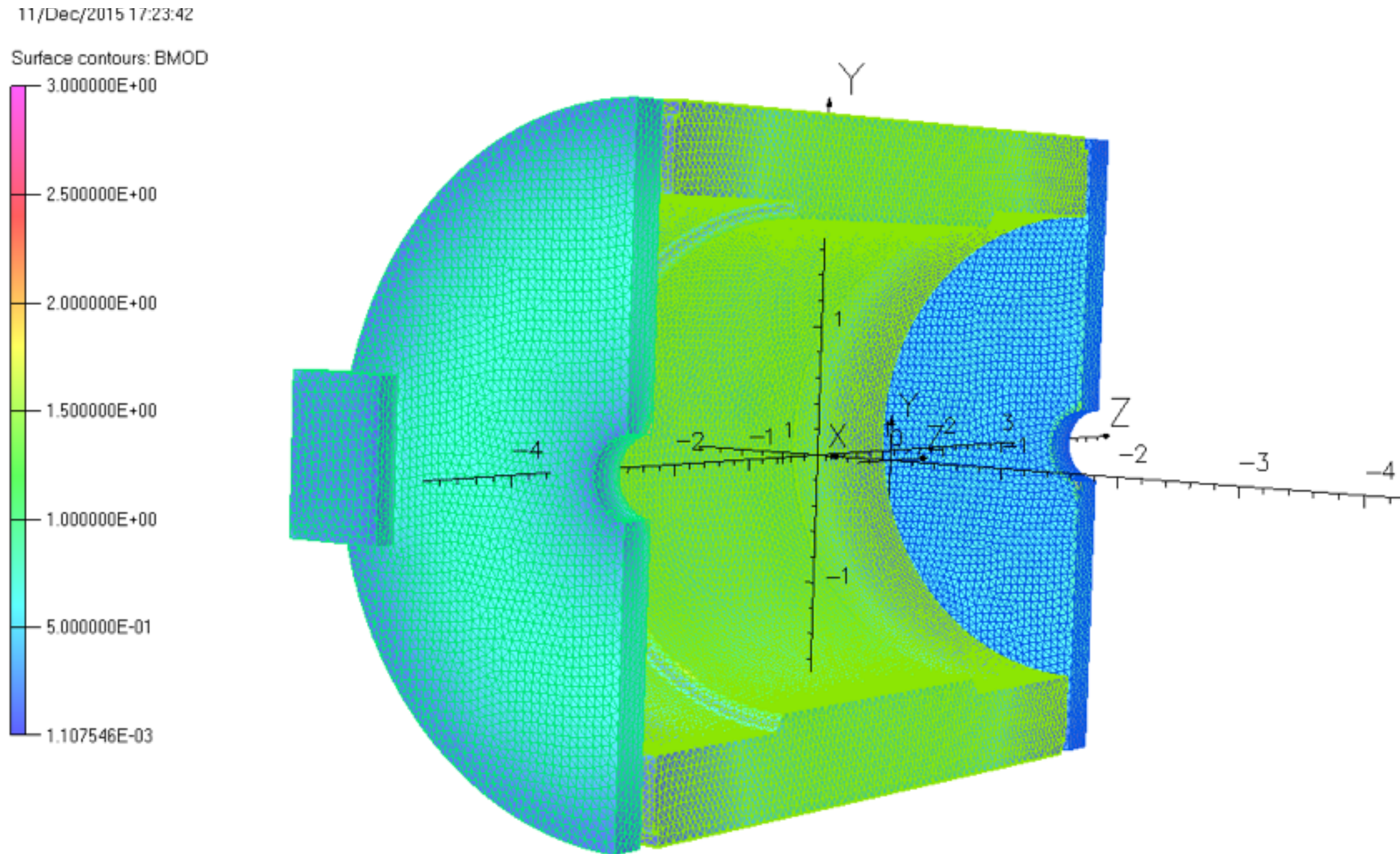
Walt Sondheim, LANL, has done some studies on the plug door thickness.

Right now it's about 12", question was can we go to 4"

Here are some first plots, I'm trying to replicate them with my 2D model.

I also talked to Nils F. to see what he gets with his Comsol model.

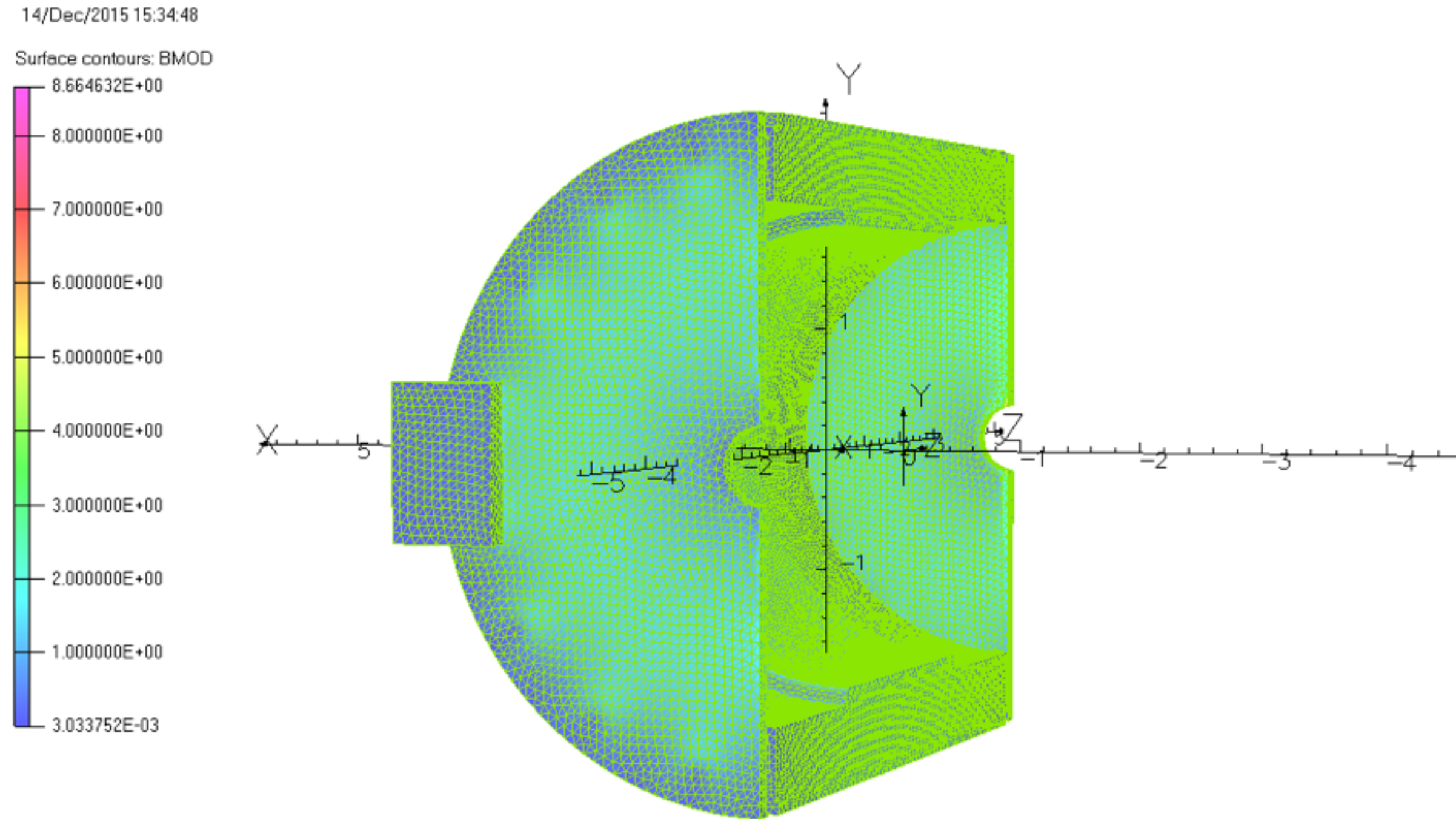
# First model with original 12.0 inch thick doors:



BMOD units are tesla -



Third model with 6.0 inch thick doors,  
set BMOD to default max tesla:



Fourth model with 6 inch thick doors, and increased number of cylinders from 8 to 15 between each door and Hcal. Bmod set to default:

